

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>LW8046PC</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/KR 02/02485</b>	International filing date ( <i>day/month/year</i> ) <b>30 December 2002 (30.12.2002)</b>	(Earliest) Priority Date ( <i>day/month/year</i> ) <b>13 August 2002 (13.08.2002)</b>
Applicant <b>SAMSUNG ELECTRO-MECHANICS CO., LTD</b>		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:
- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (See Box II).

4. With regard to the title,

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

- ☐ the text is approved as submitted by the applicant.
- ☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.: 2

- ☐ as suggested by the applicant. ☐ None of the figures.
- ☐ because the applicant failed to suggest a figure.
- ☒ because this figure better characterizes the invention.

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR 02/02485

## Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

Disclosed are an optical member (100), a backlight assembly (500) and a liquid crystal display device (800) using the optical member. The optical member (100) includes an optical body (110) and a first fixing part (120). The optical body varies optical characteristic of first light incident into thereto to exit a second light. The first fixing part (120) is protruded from at least one side face of the optical body (110), and including a fixing hole (122) and a vibration attenuating means (124). The fixing hole (122) is elongated in a main expansion direction of the optical body (110), and the vibration attenuating means (124) is formed on an inner of the fixing hole to attenuate external vibration applied to the optical body (110). The fixing hole (122) allows movement of the optical member (100) in accordance with expansion of the optical member (100) caused by heat, thereby preventing wrinkles from being created on the optical body. The vibration attenuating member (124) prevents the optical body from being scratched.

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR 02/02485

## CLASSIFICATION OF SUBJECT MATTER

IPC<sup>7</sup>: G02F 1/13357, 1/1333

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>7</sup>: G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6392724 B2 (AN et al.) 21 May 2002 (21.05.02) <i>fig.3-6; col. 5, line 50 - col.6, line 65.</i>	1,2,6,9,13, 17,19
A	US 5467208 A (KOKAWA et al.) 14 November 1995 (14.11.95) <i>fig. 23A-25B; col.14, line 48 - col.15, line 8.</i>	1,9,17
A	US 6285125 B1 (MIZUNO) 4 September 2001 (04.09.01) <i>fig.1A, 1B; col.2, line 34 - col.3, line 34; col.4, lines 39-53.</i>	1,9,17
	----	

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

### \* Special categories of cited documents:

„A“ document defining the general state of the art which is not considered to be of particular relevance

„E“ earlier application or patent but published on or after the international filing date

„L“ document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

„O“ document referring to an oral disclosure, use, exhibition or other means

„P“ document published prior to the international filing date but later than the priority date claimed

„T“ later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

„X“ document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

„Y“ document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

„&“ document member of the same patent family

Date of the actual completion of the international search

27 March 2003 (27.03.2003)

Date of mailing of the international search report

10 April 2003 (10.04.2003)

Name and mailing address of the ISA/AT

Austrian Patent Office

Kohlmarkt 8-10; A-1014 Vienna

Facsimile No. 1/53424/535

Authorized officer

GRONAU E.

Telephone No. 1/53424/320

# INTERNATIONAL SEARCH REPORT

Information on patent family members



International application No.

PCT/KR 02/02485

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
US	A	5467208	14-11-1995	AU	A1 39893/93	02-12-1993
				AU	A1 20389/95	10-08-1995
				AU	A1 20390/95	10-08-1995
				AU	B2 665680	11-01-1996
				AU	B2 671787	05-09-1996
				AU	B2 672552	03-10-1996
				CA	AA 2097109	02-12-1993
				CA	C 2239452	03-07-2001
				CA	C 2239477	03-07-2001
				CN	A 1083226	02-03-1994
				CN	B 1043082	21-04-1999
				DE	C0 69326282	14-10-1999
				DE	T2 69326282	20-01-2000
				EP	A2 573268	08-12-1993
				EP	A3 573268	17-08-1994
				EP	A2 905545	31-03-1999
				EP	A2 908757	14-04-1999
				EP	A3 908757	16-06-1999
				EP	A3 905545	30-06-1999
				EP	B1 573268	08-09-1999
				ES	T3 2137969	01-01-2000
				JP	A2 5333334	17-12-1993
				JP	B2 2931480	09-08-1999
				KR	B1 157641	16-11-1998
				US	A 5596429	21-01-1997
				JP	A2 6130387	13-05-1994
				JP	B2 3263460	04-03-2002
				JP	A2 6194652	15-07-1994
				JP	A2 7005452	10-01-1995
				JP	B2 3035130	17-04-2000
US	BA	6285125	04-09-2001	CN	A 1237078	01-12-1999
				CN	B 1089991	28-08-2002
				JP	A2 11283738	15-10-1999
				JP	B2 3110374	20-11-2000
US	BA	6392724	21-05-2002	KR	A 01084152	06-09-2001
				US	AA 01050731	13-12-2001